

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Bruce W. Ramme *et al.*
Filed: Filed Herewith
For: MERCURY REMOVAL FROM ACTIVATED CARBON AND/OR FLY ASH

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.97-1.98, Applicant is submitting a listing of documents on Form PTO-1449. A copy of each document is also enclosed.

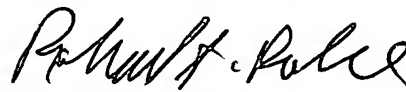
The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any rights to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicant respectfully requests that the listed documents be considered by the Examiner, be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP § 609.

Respectfully submitted,

Dated: November 19, 2003

By:



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Form PTO-1449
(Rev. 2-88)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
960049.90324

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT
BY APPLICANTAPPLICANT
Bruce W. Ramme *et al.*FILING DATE
Filed Herewith

GROUP

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

* EXAMINER'S INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,837,052	11-17-1998	Oates, <i>et al.</i>			
	5,160,539	11-3-1992	Cochran			
	4,911,900	3-27-1990	Horch, <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	3802884	10/1989	Germany			X	
	3526756	01/1987	Germany			X	
	94/08892	4/1994	WIPO / PCT				
	01/12268	2/2001	WIPO / PCT				
	3425070	01/1986	Germany				X
	3732026	04/1989	Germany				X
	3708941	09/1988	Germany				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	PCT Search Report for PCT/US00/22398
	English Language Translation of DE 3802884
	English Language Translation of DE 3526756
	English Language Abstract for DE 3425070
	English Language Abstract for DE 3732026
	English Language Abstract for DE 3708941
	Patent Abstract for Japanese Publication No..55054075 published 4-21-1980
EXAMINER	DATE CONSIDERED

* EXAMINER: Initial if a citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
		Application Number			
		Filing Date		Filed Herewith	
		First Named Inventor		Bruce W. Ramme et al.	
		Group Art Unit			
		Examiner Name			
Sheet 2 of 2		Attorney Docket Number		960049.90324	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"Adsorption of Elemental Mercury by Virgin and Impregnated Activated Carbon" in "Environmental Separation of Heavy Metals", CRC Press, pp. 15-44, 2001.	
		Chang and Owens, "Developing Mercury Removal Methods for Power Plants", EPRI Journal, Vol. 19, No. 5, pp. 46-49, July/August 1994.	
		Menon, "Adsorption of Mercury Vapor by Granular Activated Carbon", Master thesis, Utah State University, 1991.	
		Sinha and Walker, "Removal of Mercury by Sulfurized Carbons", Carbon, Vol. 10, pp. 754-756, 1972.	
		Matsumura, "Adsorption of mercury vapor on the surface of activated carbons modified by oxidation or iodization", Atmospheric Environment, Vol. 8, pp. 1321-1327, 1974.	
		Teller and Quimby, "Mercury Removal from Incineration Flue Gas", Proc. Annual Meeting - Air and Waste Management Association, 84th (Vol. 12), 1991.	
		"Removal of Heavy Metals by Activated Carbon" in "Environmental Separation of Heavy Metals : Engineered Processes", CRC Press, pp. 205-264, 2001.	

Examiner Signature		Date Considered	
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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